

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning at page 3, line 7, as follows:

According to a first aspect of the present invention to achieve the aforesaid object, there is provided an antistatic glass substrate production method which comprises: placing a glass substrate in an atmospheric pressure plasma generating apparatus adapted to generate an atmospheric pressure plasma between electrodes thereof for treatment of an object with the atmospheric pressure plasma; using the following gas (A) as an ambient gas for the atmospheric pressure plasma; and imparting the glass substrate with an antistatic property by the atmospheric pressure plasma generated in the apparatus. According to a second aspect of the invention, a gas mixture containing the following gas (A) as a main component and the following gas (B) is used as the ambient gas for the atmospheric pressure plasma in the antistatic glass substrate production method. According to a ~~second~~ third aspect of the invention, there is provided an antistatic glass substrate produced by the aforesaid production method.

(A) At least one selected from the group consisting of argon, helium, neon, xenon and nitrogen

(B) Oxygen gas

Please amend the paragraph beginning at page 3, line 19, as follows:

Inventors of the present invention conducted intensive studies on a glass substrate production method for making a glass substrate less electrifiable. In the course of

the studies, the inventors found that the glass substrate is made less electrifiable by plasma-treating a surface of the glass substrate with an atmospheric pressure plasma generated with the use of the aforesaid ambient gas, and attained the present invention. The reason why the glass substrate is made less electrifiable is not clarified, but supposedly because a surface portion of the glass substrate is modified by the atmospheric pressure plasma.

Please amend the paragraph beginning at page 7, line 13, as follows:

- More specifically, the ambient gas to be used for the atmospheric pressure plasma is the following gas (A) or a gas mixture containing the following gas (A) as a main component and the following gas (B). The gas (A) or the gas mixture may be moisturized into a moist gas. More preferably, the ambient gas is argon. With the use of this gas, the antistatic property is improved, though the reason for this is not clarified. Particularly, where the gas mixture is used, the content of the gas (B) in the gas mixture is preferably not higher than 20vol% (including 0vol%, which means that the ambient gas is the gas (A)). If the content of the gas (B) is higher than 20vol%, the antistatic property of the antistatic glass substrate tends to be deteriorated. The moist gas is herein defined to be a gas obtained by causing the gas (A) or the gas mixture to contain moisture by bubbling or the like.

(A) At least one selected from the group consisting of argon, helium, neon, xenon and nitrogen

(B) ~~At least one selected from the group consisting of oxygen gas and hydrogen gas~~ Oxygen gas

Please amend the heading at page 10, line 13, as follows:

~~Example 2~~ Reference Example 1

Please amend the heading at page 10, line 18, as follows:

~~Example 3~~ Example 2

Please amend the paragraph beginning at page 11, line 2, as follows:

The antistatic glass substrates of Examples 1 [[to 3]] and 2 and Reference Example 1 and the glass substrate G of Comparative Example 1 thus obtained were each electrified by reciprocating an industrial wiper (Crecia's KIMWIPE S-200) at a rate of one reciprocation per second on the surface thereof 20 times. Immediately after the completion of the electrification, the amounts of electric charges were measured by means of a static electricity meter (Simco Japan's FMX-002). As a result, the amounts of the electric charges on the antistatic glass substrates of Examples 1 [[to 3]] and 2 and Reference Example 1 were 28%, ~~54% and 25%~~ 25% and 54 %, respectively, of the amount of the electric charges on the glass substrate of Comparative Example 1.

Please amend the paragraph beginning at page 11, line 15, as follows:

As can be understood from the results, the antistatic glass substrates of Examples 1 ~~[[to 3]]~~ and 2 are less electrifiable than the glass substrate G of Comparative Example 1.

Please amend the paragraph beginning at page 11, line 19, as follows:

When helium, neon, xenon and nitrogen were each used instead of argon in Examples and Reference Example 1, substantially the same results as in Examples were obtained.

Please amend the paragraph beginning at page 11, line 22, as follows:

When argon gas moisturized by bubbling at 20°C was used in Examples and Reference Example 1, substantially the same results as in Examples were obtained.

Please amend the paragraphs beginning at page 12, line 2, and ending at page 12, line 21, as follows:

In the antistatic glass substrate production method according to the present invention, the following gas (A) or a gas mixture containing the following gas (A) as a main component and the following gas (B) is used as the ambient gas for the atmospheric pressure

plasma to perform the atmospheric pressure plasma treatment ~~is performed~~ on the glass substrate, whereby the glass substrate is made less electrifiable. Thus, the adhesion of dust can be suppressed until the antistatic glass substrate is incorporated in the liquid crystal display or a like product.

~~Where the following gas (A) or a gas mixture containing the following gas (A) as a main component and the following gas (B) is used as the ambient gas for the atmospheric pressure plasma, the glass substrate is similarly made less electrifiable:~~

(A) At least one selected from the group consisting of argon, helium, neon, xenon and nitrogen

~~(B) — At least one selected from the group consisting of oxygen gas and hydrogen gas.~~

~~Where the gas (A) or the gas mixture is moisturized into a moist gas, the glass substrate is similarly made less electrifiable.~~

(B) Oxygen gas